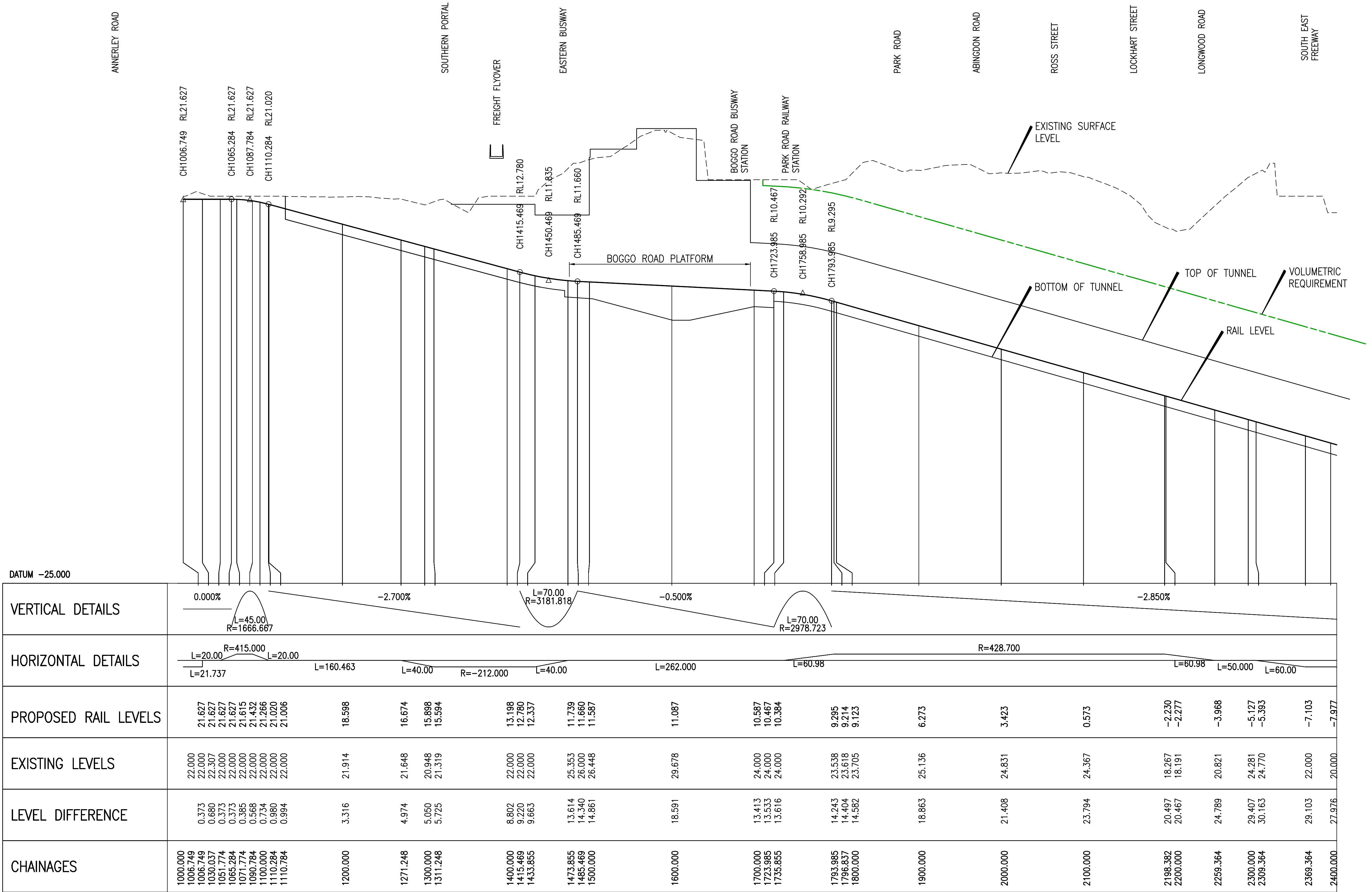



NOT FOR
CONSTRUCTION

30 March 2017



NOTE
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY


DOWN CRR

				Associated Job Nos	Survey Data		<div><div><div>Scales</div><div>A1 / A3 0 25 50 75 100m 1:2500 / 1:5000</div><div>HORIZONTAL</div><div>A1 / A3 0 2 4 6 8 10m 1:250 / 1:500</div><div>VERTICAL</div><div>Dimensions shown in except where shown otherwise</div></div></div>	BRISBANE CITY				LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 1							Queensland Government					
					Datum	GDA94		CROSS RIVER RAIL																
					Auxiliary Drg Nos			REFERENCE DESIGN (CHANGED PROJECT)																
D SCALE UPDATES					30/03/17			Horiz. Grid					Drawn	ENGINEERING CERTIFICATION (RPEQ)						Job No.				
C MINOR REVISION					20/01/17				Height Origin					SG	ENG. AREA	NAME	SIGNATURE			NO.	DATE	Contract. No.		
B MINOR REVISION				02/11/16						Designed	CIVIL	J. DONOHUE				7835	14/10/16	Drawing No.						
A ISSUE FOR RFPC				14/10/16		Survey Books									JD					Series Number		of		
Revisions/Descriptions				Certification	Date	Microfiled					Through Chainage from										MRR_Detail (06/13)			
CAD FILES				C:\projectwise\bne_projects\stephen.grigg2\dms97294\CRR-0002-AL-LS-151.dwg																				

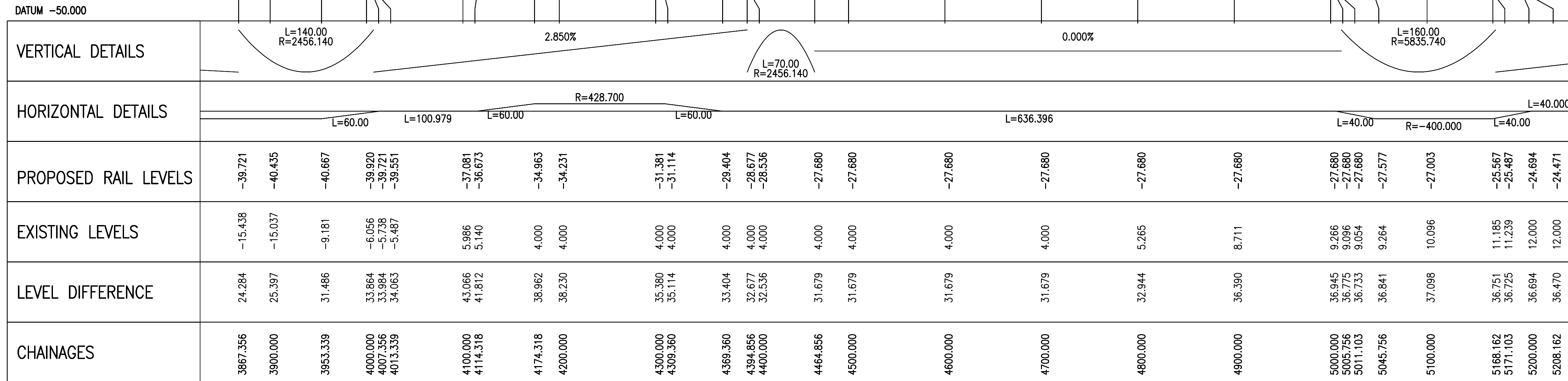
30 March 2017



last Modified :- Mar 30, 2017 - 2:43pm XREFS :- MRR_DETAIL_A1_Ref.dwg ; X-CRR-DRAI-0001-LSECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL_LONG_SECTIONS.dwg

					Associated Job Nos		Survey Data		<div>Scale</div> <div>A1 / A3 0 25 50 75 100m</div> <div>1:2500 / 1:5000</div> <div>HORIZONTAL</div> <div>A1 / A3 0 2 4 6 8 10m</div> <div>1:250 / 1:500</div> <div>VERTICAL</div> <div>Dimensions shown in except where shown otherwise</div>		BRISBANE CITY CROSS RIVER RAIL <i>REFERENCE DESIGN (CHANGED PROJECT)</i>					LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 2					 <div>Queensland Government</div>			
D	SCALE UPDATES					30/03/17	Auxiliary Drg Nos	Horiz. Grid							Drawn	ENGINEERING CERTIFICATION (RPEQ)					Job No.			
C	MINOR REVISION					20/01/17		Height Origin							SG	ENG. AREA	NAME	SIGNATURE	NO.	DATE	Contract. No.			
B	MINOR REVISION					02/11/16		Survey Books							Designed	CIVIL	J. DONOHUE		7835	14/10/16	Drawing No.	D		
A	ISSUE FOR RFP					14/10/16									JD						Series Number	of		
Revisions/Descriptions					Certification	Date	Microfiled			Through Chainage from										MRR_Detail (06/13)				
CAD FILES		C:\projectwise\bone_projects\stephen.grigg2\dms97294\CRR-0002-AL-LS-152.dwg																						

30 March 2017



1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY




last Modified :- Mar 30, 2017 - 2:43pm XREFS :- MRR_DETAIL_A1_Ref.dwg ; X-CRR-DRAI-0001-LSECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL_LONG_SECTIONS.dwg

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30 March 2017



last Modified :- Mar 30, 2017 - 2:42pm XREFS :- MRR_DETAIL_A1_Ref.dwg ; X-CRR-DRAI-0001-LSECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL_LONG_SECTIONS.dwg

				Associated Job Nos		Survey Data		Scales		BRISBANE CITY					LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 4					 Queensland Government																					
						Datum GDA94		A1 / A3 1:2500 / 1:5000 		CROSS RIVER RAIL																															
D	SCALE UPDATES					30/03/17				REFERENCE DESIGN (CHANGED PROJECT)					Drawn		ENGINEERING CERTIFICATION (RPEQ)					Job No.																			
C	MINOR REVISION					20/01/17											HORIZONTAL					ENG. AREA		NAME		SIGNATURE		NO.		DATE		Contract. No.									
B	MINOR REVISION					02/11/16				A1 / A3 1:250 / 1:500 					Reference Points					Designed		CIVIL					J. DONOHUE				7835		14/10/16		Drawing No.		D				
A	ISSUE FOR RFPC					14/10/16				VERTICAL					Preceding Dist. to start of From start to From end to Following RP job (km) end of job Following RP RP					JD																		Series Number		of	
Revisions/Descriptions				Certification		Date		Microfiled		Dimensions shown in except where shown otherwise					Through Chainage from																							MRR_Detail (06/13)			
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30 March 2017

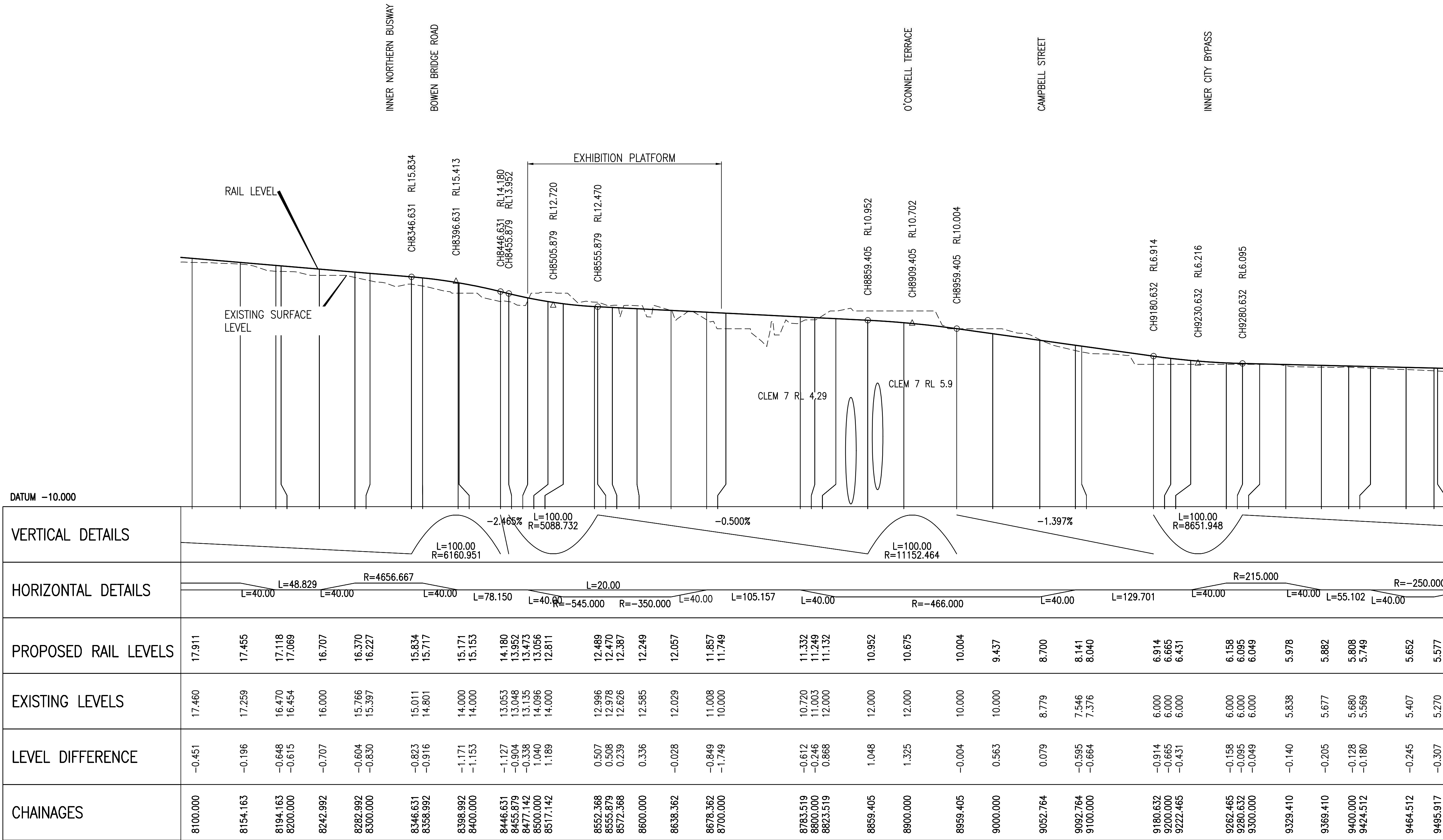


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[illegible]

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30 March 2017



NOTE
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

DOWN CRR


Mar 30, 2017 - 2:42pm
Last Modified : - :
XREFS :- MRR_DETAIL_A1_Rev.dwg ; X-CRR-DRAI-0001-LS-ECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG_SECTIONS.dwg

C	SCALE UPDATES		30/03/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
Survey Books	
	Dimensions shown in except where shown otherwise

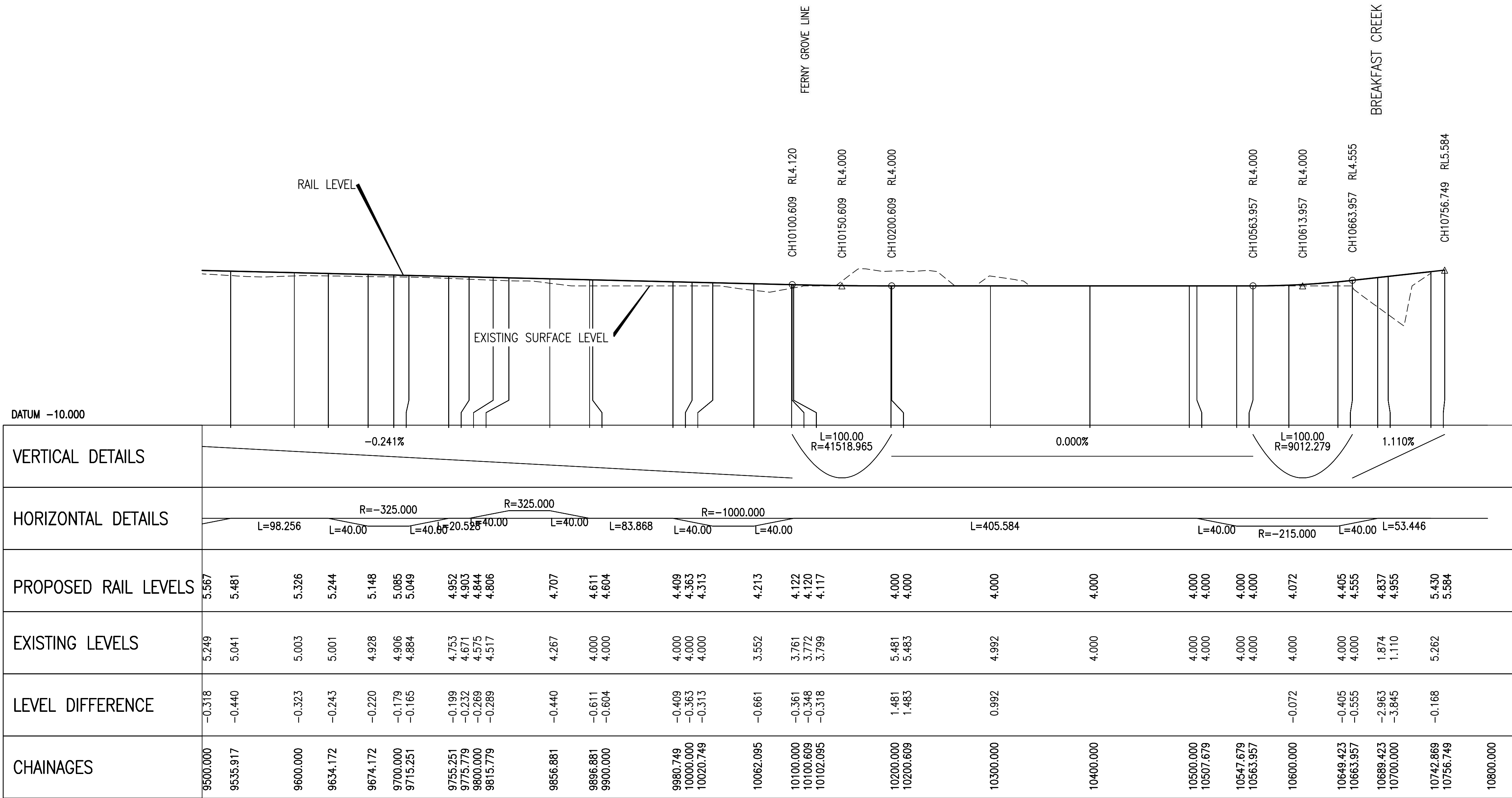
BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 6				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	

NOT FOR
CONSTRUCTION

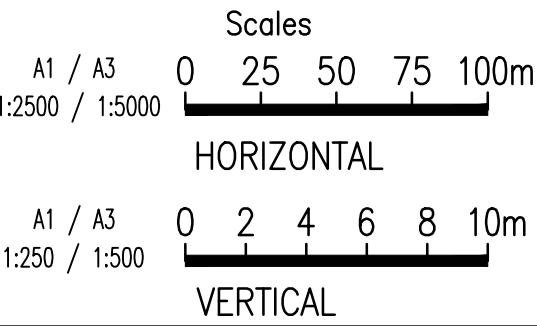
30 March 2017



Mar 30, 2017 - 2:42pm
Last Modified : -
XREFS :- MRR_DETAIL_A1_Refer.dwg ; X-CRR-DRAI-0001-LS-SECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL_LONG_SECTIONS.dwg


C	SCALE UPDATES		30/03/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books
	Dimensions shown in except where shown otherwise



BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – DOWN CRR TRACK SHEET 7				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	

30 March 2017

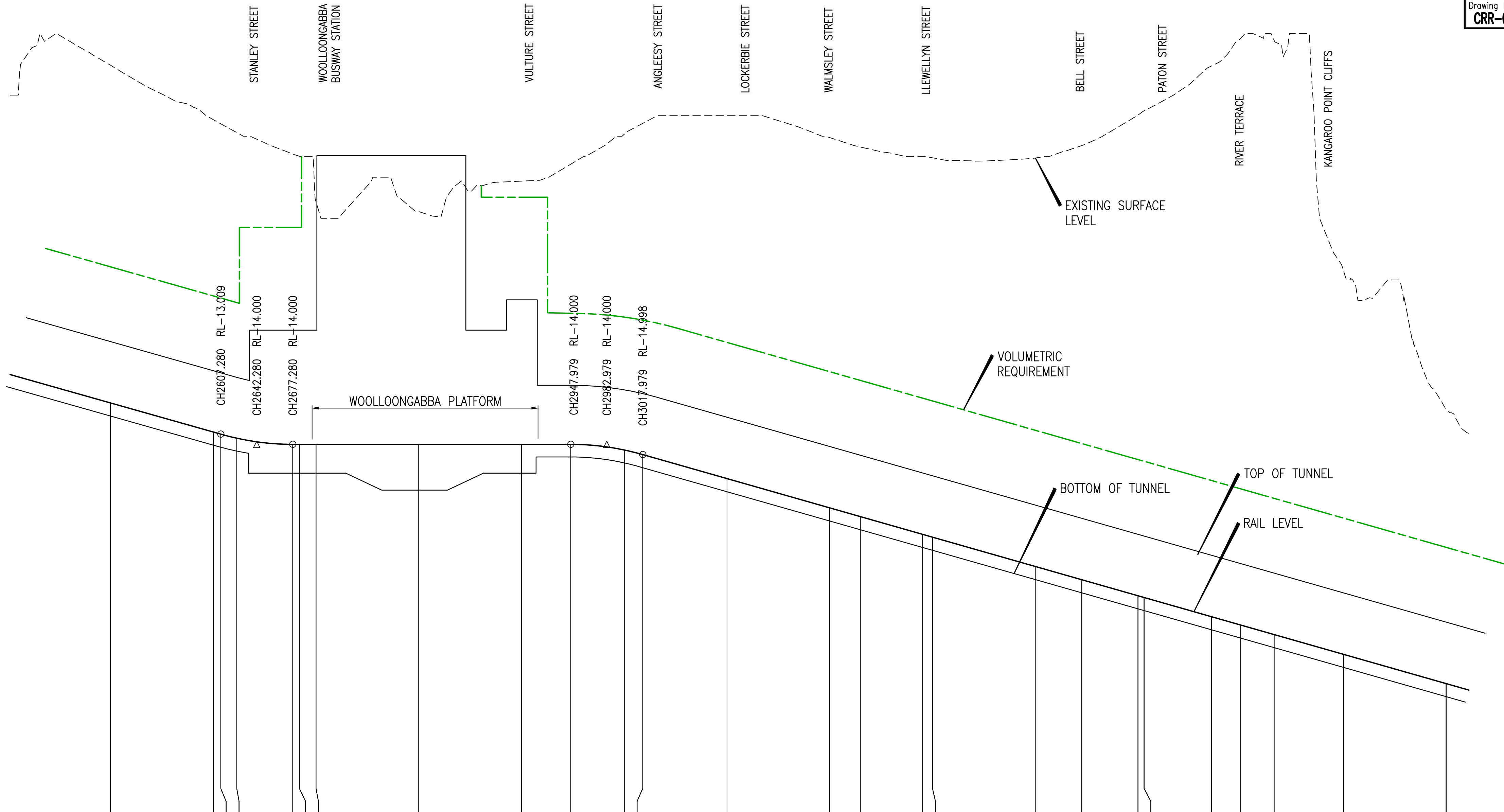


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CONSTRUCTION

30 March 2017



DATUM -50.000

VERTICAL DETAILS																			
HORIZONTAL DETAILS																			
PROPOSED RAIL LEVELS	-9.971	-12.803 -13.009 -13.400	-14.000 -14.000 -14.000	-14.000	-14.000	-14.000	-14.551 -14.998	-17.335	-20.185	-21.033	-22.762 -23.035	-25.885	-27.176	-28.735 -28.905	-30.774 -31.585	-32.512	-34.435	-37.285	
EXISTING LEVELS	22.902	17.608 17.202 16.349	14.265 14.052 9.590	8.663	11.626	13.276	16.183 17.243	18.000	15.859	14.946	14.000 13.891	13.872	15.082	18.046 18.457	22.829	25.530	25.333	2.913	-10.563
LEVEL DIFFERENCE	32.873	30.410 30.211 29.749	28.265 28.052 23.590	22.663	25.626	27.276	30.733 32.240	35.335	36.044	35.978	36.762 36.926	39.757	42.257	46.781 47.361	53.602	57.115	57.844	37.348	26.722
CHAINAGES	2500.000	2600.000 2607.280 2622.824	2677.280 2683.806 2700.000	2800.000	2900.000	2947.979	3000.000 3017.979	3100.000	3200.000	3229.741	3290.422 3300.000	3400.000	3445.278	3500.000 3505.959	3571.527	3600.000	3632.509	3700.000	3800.000

NOTE

1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

Mar 30, 2017 - 2:39pm
Last Modified : - :
XREFS :- MRR_DETAIL_A1_Rev.dwg ; X-CRR-DRAI-0001-LS-SECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG_SECTIONS.dwg

Revisions/Descriptions	Certification	Date	Microfiled
D SCALE UPDATES		30/03/17	
C MINOR REVISION		20/01/17	
B MINOR REVISION		02/11/16	
A ISSUE FOR RFPC		14/10/16	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books

Scales
A1 / A3 1:2500 / 1:5000
0 25 50 75 100m
HORIZONTAL
A1 / A3 1:250 / 1:500
0 2 4 6 8 10m
VERTICAL
Dimensions shown in except where shown otherwise

BRISBANE CITY				
CROSS RIVER RAIL				
REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – UP CRR TRACK SHEET 2					
Drawn SG	ENGINEERING CERTIFICATION (RPEQ)				
	ENG. AREA	NAME	SIGNATURE	NO.	DATE
Designed	CIVIL	J. DONOHUE		7835	14/10/16
JD					

	Queensland Government
Job No.	
Contract No.	
Drawing No.	ID
Series Number	of
MRR_Detail (06/13)	

30 March 2017




last Modified :- Mar 30, 2017 - 2:39pm XREFS :- MRR_DETAIL_A1_Ref.dwg ; X-CRR-DRAL-0001-LSECT-CAD.dwg ; BRT-CRR-DRAL-10-RAIL_LONG_SECTIONS.dwg

[illegible]

30 March 2017

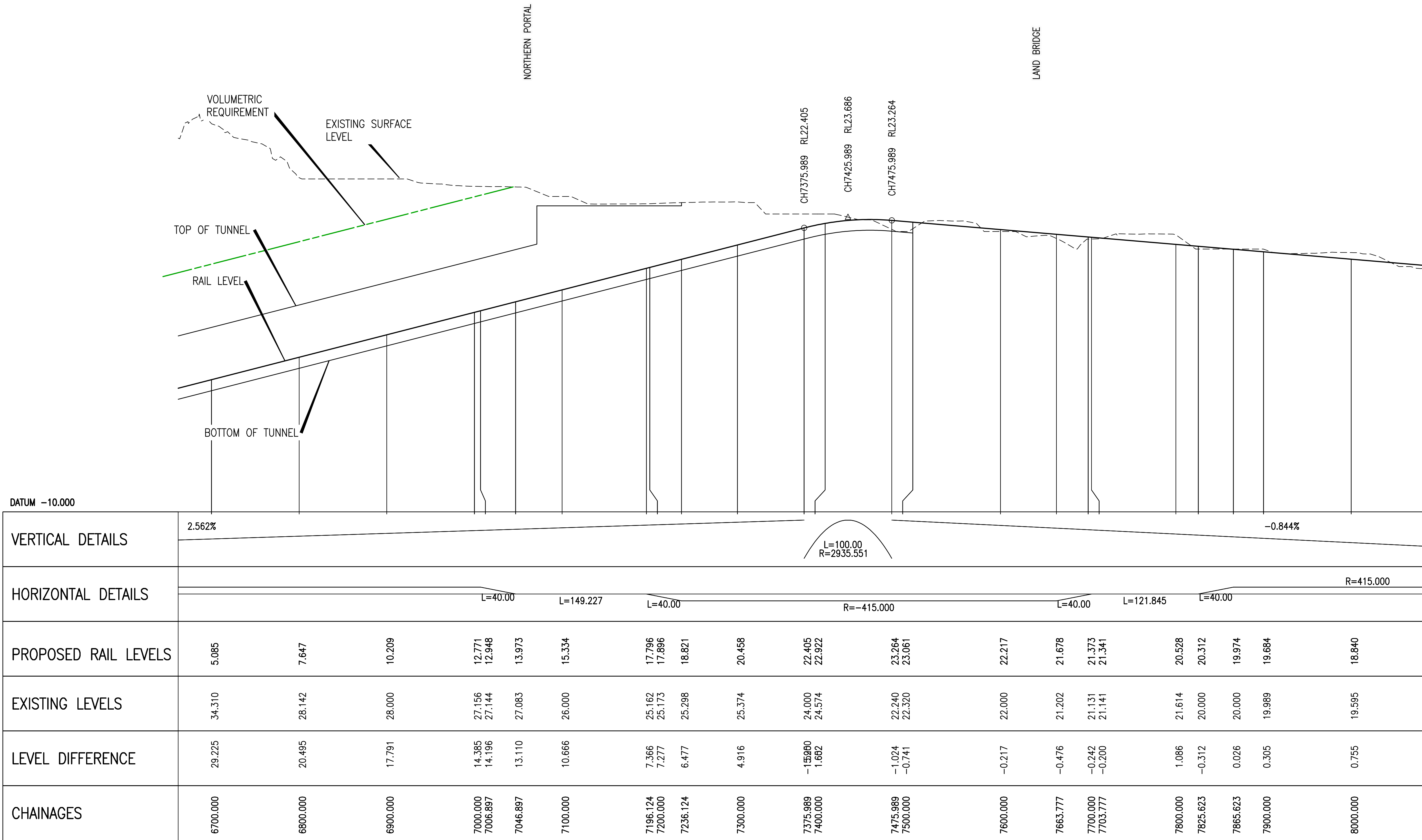


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				Associated Job Nos		Survey Data		<div>Scale</div> <div>A1 / A3 0 25 50 75 100m 1:2500 / 1:5000</div> <div>HORIZONTAL</div> <div>A1 / A3 0 2 4 6 8 10m 1:250 / 1:500</div> <div>VERTICAL</div> <div>Dimensions shown in except where shown otherwise</div>		BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				LONGITUDINAL SECTION – UP CRR TRACK SHEET 4					 <div>Queensland Government</div>	
D	SCALE UPDATES				30/03/17	Auxiliary Drg Nos	Horiz. Grid						ENGINEERING CERTIFICATION (RPEQ)					Job No.		
C	MINOR REVISION				20/01/17		Height Origin						Drawn SG					Contract. No.		
B	MINOR REVISION				02/11/16		Survey Books						Designed JD					Drawing No.		
A	ISSUE FOR RFP				14/10/16										Series Number					
Revisions/Descriptions				Certification	Date	Microfiled					Through Chainage from				of					
CAD FILES		C:\projectwise\bone_projects\stephen.grigg2\dms97294\CRR-0002-AL-LS-164.dwg												MRR_Detail (06/13)						

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CONSTRUCTION


30 March 2017



NOTE

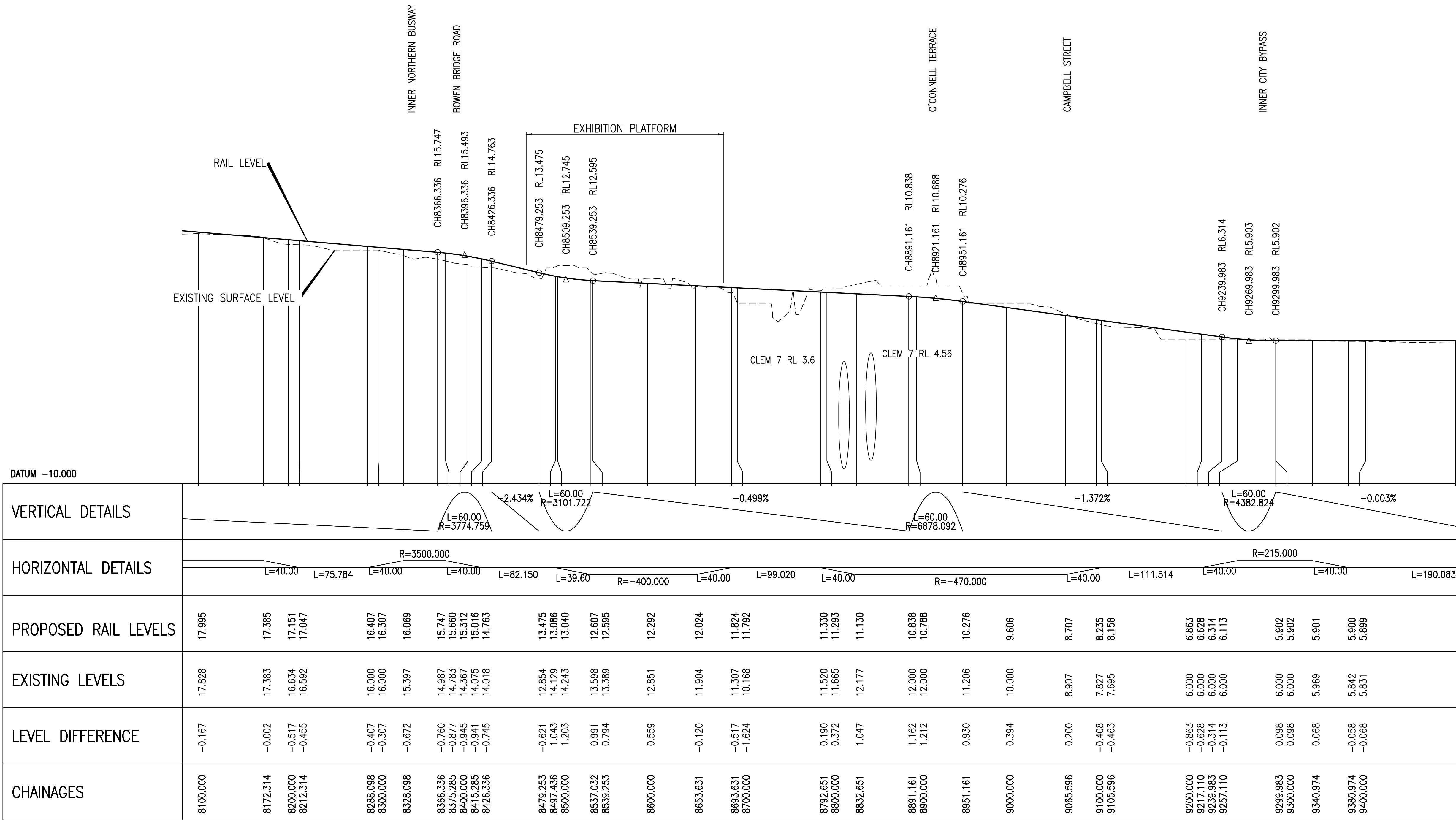
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

				Associated Job Nos	Survey Data		<div><div>Scales</div><div><div>A1 / A3</div><div>0 25 50 75 100m</div></div><div>1:2500 / 1:5000</div><div>HORIZONTAL</div><div><div>A1 / A3</div><div>0 2 4 6 8 10m</div></div><div>1:250 / 1:500</div><div>VERTICAL</div><div>Dimensions shown in except where shown otherwise</div></div>	BRISBANE CITY				LONGITUDINAL SECTION – UP CRR TRACK SHEET 5						 Queensland Government			
					Datum	GDA94		CROSS RIVER RAIL													
					REFERENCE DESIGN (CHANGED PROJECT)																
					Auxiliary Drg Nos	Horiz. Grid		Reference Points				Drawn	ENGINEERING CERTIFICATION (RPEQ)						Job No.		
						Height Origin		<div>Preceding RP</div> <div>Dist. to start of job (km)</div> <div>From start to end of job</div> <div>From end to Following RP</div> <div>Following RP</div>					SG	ENG. AREA	NAME	SIGNATURE	NO.		DATE	Contract. No.	
C	SCALE UPDATES																				
D	MINOR REVISION																				
B	MINOR REVISION																				
A	ISSUE FOR RFPC																				
Revisions/Descriptions																					
CAD FILES																					
C:\projectwise\bne_projects\stephen.grigg2\dms97294\CRR-0002-LS-165.dwg																					

NOT FOR
CONSTRUCTION

30 March 2017



NOTE
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

UP CRR

Mar 30, 2017 - 2:38pm
Last Modified : - :
XREFS :- MRR_DETAIL_A1_166.dwg ; X-CRR-DRAI-0001-1-SECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG_SECTIONS.dwg

C	SCALE UPDATES		30/03/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
Survey Books	
	Dimensions shown in except where shown otherwise

A1 / A3
1:2500 / 1:5000

0 25 50 75 100m

A1 / A3
1:250 / 1:500


0 2 4 6 8 10m

HORIZONTAL

VERTICAL

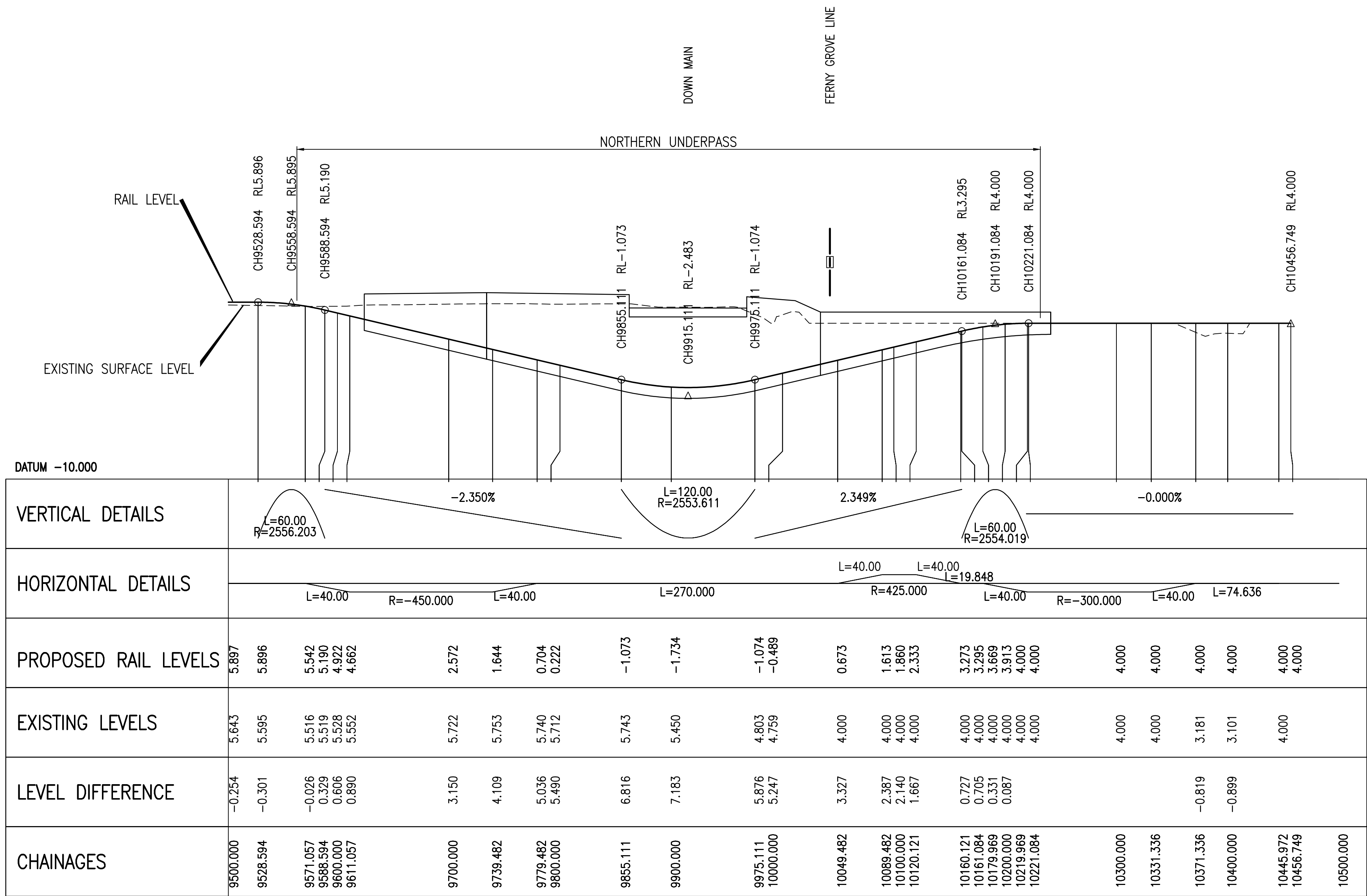
BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – UP CRR TRACK SHEET 6				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	

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CONSTRUCTION

30 March 2017



NOTE
1. EXISTING SURFACE LEVELS DERIVED FROM 2015 LIDAR SURVEY

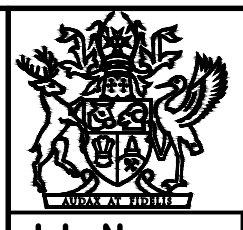
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Last Modified : -
XREFS : MRR_DETAIL_A1_Rev.dwg : X-CRR-DRAI-0001-LS-ECT-CAD.dwg : BRT-CRR-DRAI-10-RAIL-LONG_SECTIONS.dwg

C	SCALE UPDATES		30/03/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books
	Dimensions shown in except where shown otherwise

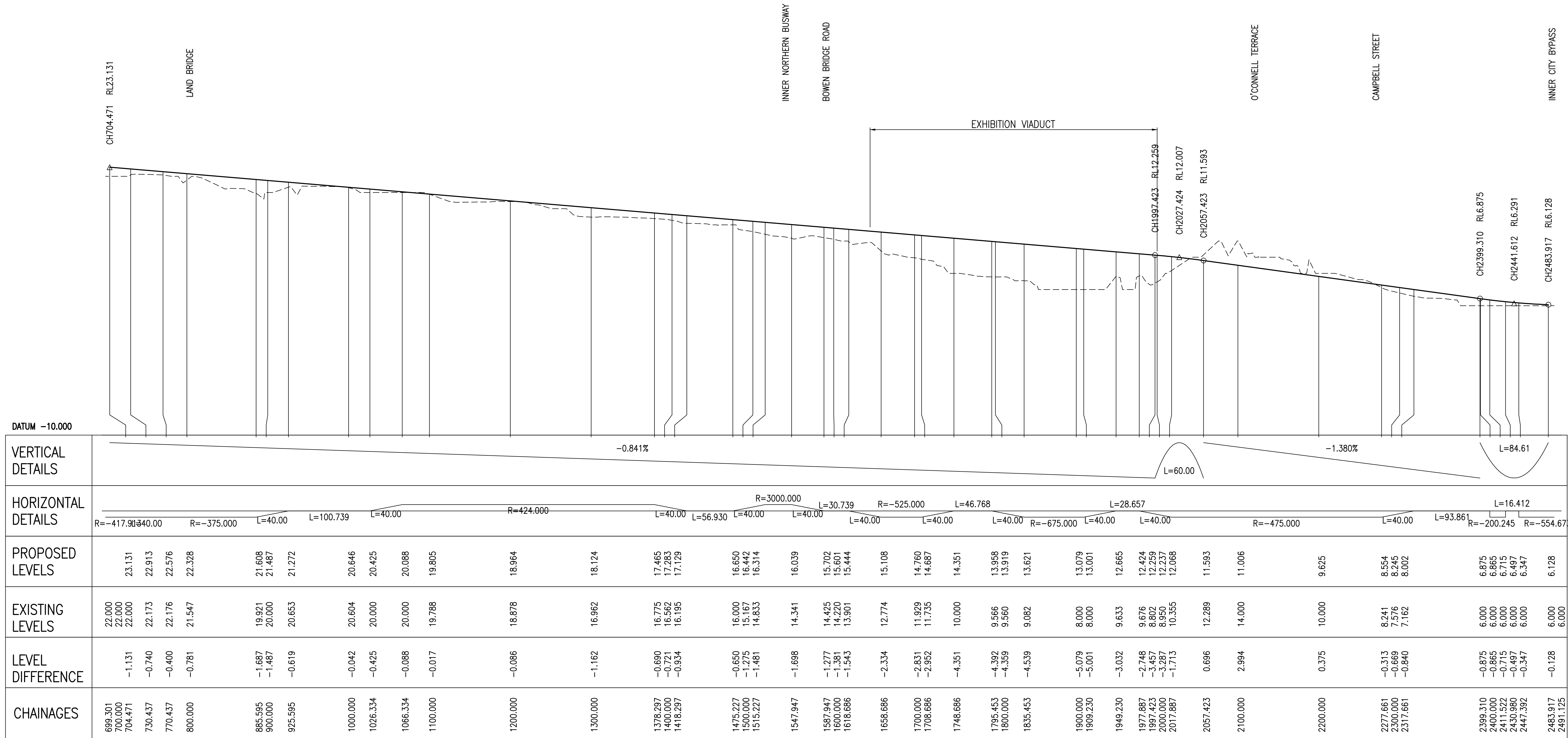
BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION - UP CRR TRACK SHEET 7				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
	CIVIL	J. DONOHUE		7835 14/10/16
Designed				
JD				

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	

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CONSTRUCTION

30 March 2017



Mar 30, 2017 - 2:36pm XREFS :- MRR_DETAIL_A1_Refer.dwg ; X-CRR-DRAI-0001-LS-1-SECT-CAD.dwg ; BRT-CRR-DRAI-10-RAIL-LONG_SECTIONS.dwg

C	SCALE UPDATES		30/03/17		
B	MINOR REVISION		02/11/16		
A	ISSUE FOR RFPC		14/10/16		
	Revisions/Descriptions	Certification	Date	Microfiled	

Associated Job Nos	Survey Data
	Datum GDA94
Auxiliary Drg Nos	Horiz. Grid
	Height Origin
	Survey Books
	Dimensions shown in except where shown otherwise

A1 / A3
1:2500 / 1:5000

0 25 50 75 100m

HORIZONTAL


A1 / A3
1:250 / 1:500

0 2 4 6 8 10m

VERTICAL

BRISBANE CITY CROSS RIVER RAIL REFERENCE DESIGN (CHANGED PROJECT)				
Reference Points				
Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
Through Chainage from				

LONGITUDINAL SECTION – DOWN EXHIBITION TRACK SHEET 1				
Drawn	ENGINEERING CERTIFICATION (RPEQ)			
SG	ENG. AREA	NAME	SIGNATURE	NO. DATE
Designed	CIVIL	J. DONOHUE		7835 14/10/16
JD				

 Queensland Government	
Job No.	
Contract No.	
Drawing No.	C
Series Number	of
MRR_Detail (06/13)	